



SEQUENCE LISTING

70610  
To730  
<110> TEPPER, Mark  
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EL TAYAR, Nabil  
McKENNA, Sean

<120> IFNAR2/IFN COMPLEX

<130> TEPPER1A.SEQ

<140> 09/215,212

<141> 1998-12-18

<150> 60/068,295

<151> 1997-12-19

<160> 15

<170> PatentIn Ver. 2.0

<210> 1

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Linker

<400> 1

Gly Gly Gly Gly Ser  
1 5

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Factor Xa cleavage  
recognition signal

<400> 2

Ile Glu Glu Arg  
1

<210> 3

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by linker to : terminal human IFNbeta

<400> 3

Glu Ser Glu Phe Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Met Ser  
20 25 30

Tyr

<210> 4

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by linker to N terminal human IFNbeta

<400> 4

Glu Ser Glu Phe Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Met Ser Tyr  
20 25

<210> 5

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by linker to N terminal human IFNbeta

<400> 5

Glu Ser Glu Phe Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser Met Ser Tyr  
20

<210> 6

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by linker to N terminal human IFNbeta

<400> 6

Glu Ser Glu Phe Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Met  
1 5 10 15

Ser Tyr

<210> 7  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by linker to N terminal human IFNbeta

<400> 7  
Glu Ser Glu Phe Ser Gly Gly Gly Gly Ser Met Ser Tyr  
1 5 10

<210> 8  
<211> 36  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by hCG-CTP linker to N terminal human IFNbeta

<400> 8  
Glu Ser Glu Phe Ser Ser Ser Ser Ser Lys Ala Pro Pro Pro Ser Leu  
1 5 10 15  
Pro Ser Pro Ser Arg Leu Pro Gly Pro Ser Asp Thr Pro Ile Leu Pro  
20 25 30  
Gln Met Ser Tyr  
35

<210> 9  
<211> 23  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by linker to N terminal human IFNbeta

<400> 9  
Glu Ser Glu Phe Ser Glu Phe Met Glu Phe Met Glu Phe Met Glu Phe  
1 5 10 15  
Met Glu Phe Met Met Ser Tyr  
20

<210> 10  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by linker to N terminal human IFNbeta

<400> 10

Glu Ser Glu Phe Ser Glu Phe Met Glu Phe Met Glu Phe Met Glu Phe  
1 5 10 15

Met Met Ser Tyr  
20

<210> 11

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by linker to N terminal human IFNbeta

<400> 11

Glu Ser Glu Phe Ser Glu Phe Met Glu Phe Met Glu Phe Met Met Ser  
1 5 10 15

Tyr

<210> 12

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by linker to N terminal human IFNbeta

<400> 12

Glu Ser Glu Phe Ser Glu Phe Gly Ala Gly Leu Val Leu Gly Gly Gln  
1 5 10 15

Phe Met Met Ser Tyr  
20

<210> 13

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 linked by linker to N terminal human IFNbeta

<400> 13

Glu Ser Glu Phe Ser Glu Phe Gly Ala Gly Leu Val Leu Gly Gly Gln  
 1 5 10 15

Phe Met Glu Phe Gly Ala Gly Leu Val Leu Gly Gly Gln Phe Met Met  
 20 25 30

Ser Tyr

<210> 14

<211> 415

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Human sIFNAR2 linked by linker to human IFNbeta

<220>

<223> Residues 1-29, signal sequence; 30-239, human IFNAR2; 240-249, 2X Gly4Ser linker; 250-415, human IFNbeta

<400> 14

Met Leu Leu Ser Gln Asn Ala Phe Ile Val Arg Ser Leu Asn Leu Val  
 1 5 10 15

Leu Met Val Tyr Ile Ser Leu Val Phe Gly Ile Ser Tyr Asp Ser Pro  
 20 25 30

Asp Tyr Thr Asp Glu Ser Cys Thr Phe Lys Ile Ser Leu Arg Asn Phe  
 35 40 45

Arg Ser Ile Leu Ser Trp Glu Leu Lys Asn His Ser Ile Val Pro Thr  
 50 55 60

His Tyr Thr Leu Leu Tyr Thr Ile Met Ser Lys Pro Glu Asp Leu Lys  
 65 70 75 80

Val Val Lys Asn Cys Ala Asn Thr Thr Arg Ser Phe Cys Asp Leu Thr  
 85 90 95

Asp Glu Trp Arg Ser Thr His Glu Ala Tyr Val Thr Val Leu Glu Gly  
 100 105 110

Phe Ser Gly Asn Thr Thr Leu Phe Ser Cys Ser His Asn Phe Trp Leu  
 115 120 125

Ala Ile Asp Met Ser Phe Glu Pro Pro Glu Phe Glu Ile Val Gly Phe  
 130 135 140

Thr Asn His Ile Asn Val Met Val Lys Phe Pro Ser Ile Val Glu Glu  
 145 150 155 160

Glu Leu Gln Phe Asp Leu Ser Leu Val Ile Glu Glu Gln Ser Glu Gly  
 165 170 175

Ile Val Lys Lys His Lys Pro Glu Ile Lys Gly Asn Met Ser Gly Asn  
 180 185 190

Phe Thr Tyr Ile Ile Asp Lys Leu Ile Pro Asn Thr Asn Tyr Cys Val  
195 200 205  
Ser Val Tyr Leu Glu His Ser Asp Glu Gln Ala Val Ile Lys Ser Pro  
210 215 220  
Leu Lys Cys Thr Leu Leu Pro Pro Gly Gln Glu Ser Glu Phe Ser Gly  
225 230 235 240  
Gly Gly Gly Ser Gly Gly Gly Gly Ser Met Ser Tyr Asn Leu Leu Gly  
245 250 255  
Phe Leu Gln Arg Ser Ser Asn Phe Gln Cys Gln Lys Leu Leu Trp Gln  
260 265 270  
Leu Asn Gly Arg Leu Glu Tyr Cys Leu Lys Asp Arg Met Asn Phe Asp  
275 280 285  
Ile Pro Glu Glu Ile Lys Gln Leu Gln Gln Phe Gln Lys Glu Asp Ala  
290 295 300  
Ala Leu Thr Ile Tyr Glu Met Leu Gln Asn Ile Phe Ala Ile Phe Arg  
305 310 315 320  
Gln Asp Ser Ser Ser Thr Gly Trp Asn Glu Thr Ile Val Glu Asn Leu  
325 330 335  
Leu Ala Asn Val Tyr His Gln Ile Asn His Leu Lys Thr Val Leu Glu  
340 345 350  
Glu Lys Leu Glu Lys Glu Asp Phe Thr Arg Gly Lys Leu Met Ser Ser  
355 360 365  
Leu His Leu Lys Arg Tyr Tyr Gly Arg Ile Leu His Tyr Leu Lys Ala  
370 375 380  
Lys Glu Tyr Ser His Cys Ala Trp Thr Ile Val Arg Val Glu Ile Leu  
385 390 395 400  
Arg Asn Phe Tyr Phe Ile Asn Arg Leu Thr Gly Tyr Leu Arg Asn  
405 410 415

<210> 15

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: C terminal human  
sIFNAR2 directly connected to N terminal human IFNbeta

<400> 15

Glu Ser Glu Phe Ser Met Ser Tyr  
1 5